

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Previously presented) A hinged, composite structure comprising a first rigid thermoplastic area, a second rigid thermoplastic area, and at least one flexible hinged region, wherein a fabric is embedded in the first rigid thermoplastic composite area and the second rigid thermoplastic composite area and hinged region, and wherein said first and second rigid areas are joined through the at least one flexible hinged region, so as to permit rotation of the first rigid area relative to the second rigid area about the hinged region, wherein the first rigid area and the second rigid area include bends at pre-determined distances from the hinged region, and wherein further at least one portion of said at least one flexible hinged region is coated with a flexible sealant.

2. (Original) The structure of Claim 1, wherein said hinged region comprises a linear region formed between said first and second rigid areas.

3. (Previously presented) The structure of Claim 2, wherein the flexible sealant comprises a flexible thermoplastic.

4. (Previously presented) The structure of claim 3, wherein said linear region is coated on both sides by said flexible sealant, and wherein said sealant is a flexible thermoplastic, said structure being free of rigid thermoplastic within said at least one flexible hinged regions.

5. (Canceled)

6. (Previously presented) The structure of Claim 1, wherein said bends measure 90 degrees.

7. (Original) The structure of Claim 1, wherein at least one fabric edge is folded.

8. (Original) The structure of Claim 7, wherein the width of said folded edges is less than 5 centimeters.

9. (Original) The structure of Claim 1, wherein said rigid areas have properties comprising:

- (a) a modulus of elasticity of about 830 kpsi or greater;
- (b) a coefficient of thermal expansion of about 0.000022 in/in/°F or less
- (c) a shrinkage not exceeding about 0.28%; and
- (d) an impact of about 10 in-lbs or greater.

10. (Original) The structure of Claim 9, wherein the standard deviations of each listed property are with $\pm 12\%$ of the mean value.

11. (Original) The structure of Claim 1 wherein the ratio of resin to fabric of said first and second rigid areas comprises about 5 to 50 parts by weight of fabric and about 50 to 95 parts of resin per each 100 parts of composite by weight.

12. (Original) The structure of Claim 1, wherein said fabric is a woven fabric.

13. (Original) The structure of Claim 1, wherein said fabric is a non-woven fabric.

14. (Original) The structure of Claim 13, wherein said fabric is a glass fiber containing fabric.

15. (Original) The structure of Claim 14, wherein said first and second rigid areas comprise about 70 to 90 parts by weight thermoplastic resin and about 10 to 30 parts by weight glass fabric.

16. (Original) The structure of Claim 14, wherein said glass fabric comprises a plain weave fabric comprising about 5-20 ounces of fabric per square yard.

17. (Currently amended) The structure of ~~claim 14~~ Claim 14, wherein said fabric is a 10-30 pick fabric, containing ~~contains~~ 10 to 30 bundles of fiber per each square inch.

18. (Previously presented) The structure of ~~claim 14~~ Claim 14, wherein said glass fabric further comprises a surface coating on said glass fiber to improve wetting.

19. (Original) The structure of ~~Claim 18~~ Claim 18, wherein said surface coating comprises a PVC coating.

20. (Original) The structure of Claim 1, wherein said fabric is a polyamide fiber containing fabric.

21. (Original) The structure of Claim 1, wherein said fabric is a cellulosic fiber containing fabric.

22. (Original) The structure of Claim 1, wherein said thermoplastic comprises polyvinylchloride.

23. (Original) The structure of Claim 1, wherein said thermoplastic comprises polyolefin.

24. (Original) The structure of Claim 1, wherein said thermoplastic comprises polyester.

25-40. (Canceled)